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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,797	07/26/2002	Achim Gopferich	02592	1932
KENTON R. M	7590 06/25/200 IULLINS	EXAMINER		
STOUT, UXA, BUYAN & MULLINS, LLP 4 VENTURE SUITE 300 IRVINE, CA 92618			SILVERMAN, ERIC E	
			ART UNIT	PAPER NUMBER
			1618	
			MAIL DATE	DELIVERY MODE
			06/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No.	Applicant(s)					
		10/019,797	GOPFERICH ET AL.					
		Examiner	Art Unit					
		Eric E. Silverman, PhD	1618					
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the	correspondence address					
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Designs of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Properties of the period for reply is specified above, the maximum statutory period or the to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).					
Status								
1)	Responsive to communication(s) filed on <u>31 M</u>	Jarch 2008						
•		s action is non-final.						
3)	·—		osecution as to the merits is					
٥/ك	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
		=x parto Quayro, 1000 0.5. 11, 1	00 0.0. 210.					
Dispositi	on of Claims							
4)🛛	Claim(s) <u>1-6 and 9-59</u> is/are pending in the ap	plication.						
	4a) Of the above claim(s) <u>12,13,16-32</u> is/are w	ithdrawn from consideration.						
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-6,14,15 and 33-59</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restriction and/o	r election requirement.						
Applicati	on Papers							
9)	The specification is objected to by the Examine	er.						
10)	The drawing(s) filed on is/are: a) acc	epted or b) objected to by the	Examiner.					
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	ojected to. See 37 CFR 1.121(d).					
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority ι	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice (3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date					

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DETAILED ACTION

Applicants' response, filed 3/31/2008, has been received. Claims 1-6, 9-59 are pending. Claims 12, 13, and 16-32 are withdrawn.

Claim Rejections - 35 USC § 102

Claims 1-6, 9-11, 14, 15 remain rejected, and new claims 33-59 are now rejected, under 35 U.S.C. 102(b) as being anticipated by WO 95/03356 for reasons of record and those discussed below.

1. The amendments to claims 1, 2, and 3.

Claim 1as amended now requires that the hydrophilic polymer have at least one reactive group having a first functional end and second functional end, and that the first functional group be bound to the hydrophobic polymer whereas the second be "for binding of a surface modifying substance" either directly or by way of another bifunctional molecule. Claims 2 and 3 further limit the nature of the hydrophilic polymer, with claim 3 requiring polyethyleneglycol amine. In Example 15 and Figure 2f, the WO reference teaches binding polyethyleneglycol amine to PLA via dicarboxylic acid (wherein the acid is converted to an amide by reaction with the PEG amine). The free hydroxyl group at the terminus of the polyethylenegyocol amine is suitable for binding to a surface modifying agent, as required by the claim.

2. New claims 33 – 59.

New claim 33 requires the hydrophobic polymer to be PLA with a molecular mass greater than 1,000 Da. The molecular mass requirement was discussed previously with respect to claim 10, and PLA is the disclosed hydrophobic polymer in Figure 2f. Claim

34's limitation is met because any polymer is either linear, branched, or a combination thereof. Claims 35 – 39, 41, 43 are met by PLA in Figure 2f, and claim 36 is met because the hydroxyl end of the PEG amine could bind a surface-modifying molecule via directly or via another molecule, and claims 40, 42 and 44 are met because the free functional end group (hydroxyl) is different from the second functional end group (amine). Claim 45 is similar to claim 1, and is read on by Figure 2f and Example 15.

Claim 46 is met by the abstract, which teaches binding the surface of particles made from the polymers (such as those in Figure 2f) to modifying substrates, Whereas claim 47 is met because Figure 2f discloses the polymer before being bound to any substrate. Claims 48 and 49, are similar to claims 2 and 3, as discussed above, and claims 50 – 52 are similar to claims 4 and 5. Claims 53 and 54 require a shaped body which may be a three-dimensional body or a particle. These claim limitations are met by the abstract's teaching to form nano- or micro-particles of the polymer. Claims 55-59 are similar to claims already discussed.

3. Response to Applicants' arguments

Applicants' arguments have been fully considered, but are not persuasive.

Applicant's arguments do not comply with 37 CFR 1.111(c) because they do not clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the objections made. Further, they do not show how the amendments avoid such references or objections.

Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically

pointing out how the language of the claims patentably distinguishes them from the references.

Specifically, Applicants' arguments merely allege that the claims as amended are not taught by the references, without pointing to what claim limitations are believed to be missing from the references. For reasons of record and those discussed above, the reference anticipates the claims.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 9 and 11 remain rejected under 35 U.S.C. 103(a) as being unpatentable over WO 95/03356 for reasons of record and those discussed below.

Response to Arguments

Applicants' arguments have been fully considered, but are not persuasive.

Applicants allege that the claim is allowable by virtue of its depending on claim 1.

Because claim 1 is not allowable, this argument is not persuasive.

Claim 11 remains rejected under 35 U.S.C. 103(a) as being unpatentable over WO 95/03356 in view of US 4,904,479 for reasons of record and those discussed below.

Response to Arguments

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Applicants' arguments have been fully considered, but are not persuasive.

Applicants allege that the claim is allowable by virtue of its depending on claim 1.

Because claim 1 is not allowable, this argument is not persuasive.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric E. Silverman, PhD whose telephone number is (571)272-5549. The examiner can normally be reached on Monday to Thursday 7:00 am to 5:00 pm and Friday 7:00 am to noon.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Hartley can be reached on 571 272 0616. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael G. Hartley/ Supervisory Patent Examiner, Art Unit 1618 Eric E. Silverman, PhD Art Unit 1618 Application Number

Application/Control No.	Applicant(s)/Patent under Reexamination		
10/019,797	GOPFERICH ET AL.		
Examiner	Art Unit		
Fric F Silverman PhD	1618		